

CURRICULUM VITAE

Sahar Kiani

Personal Information:

Surname name: Kiani

First name: Sahar

Date of birth: 26th Aug. 1977

Place of Birth: Tehran

Gender: Female

Marital status: Single

Address:

Department of Stem Cells and Developmental Biology, Cell Science Research Center, ROYAN Institute for Stem Cell Biology and Technology, ACECR, Tehran, Iran

Office Tel: (#9821) 23562543

Mobile: 0912-3964144

E mail Adress: skiani2536@gmail.com

sahar_kiani@royaninstitute.org

Qualifications & Education:

PhD:

Course Title: **Medical Physiology**

G.P.A (Grade-Point Average): **17.00 out of 20**

Year of Graduating: **2010**

Thesis Title:

Electrophysiological Properties of Human Embryonic Stem Cells during Neural Differentiation

Grade of Thesis: **19.50 out of 20**

University: Tarbiat Modares University, Tehran, Iran.

Master of Science (M.Sc.):

Course Title: **Medical Physiology**

G.P.A (Grade-Point Average): **17.50 out of 20**

Year of Graduating: **2004**

Thesis Title:

The effect of exposure of guinea pigs to cigarette smoke and their sensitisation in tracheal responsiveness to histamine and histamine (H₁) receptor blockade by chlorpheniramine

Grade of Thesis: **19.75 out of 20**

University: University of medical science Mashhad, Iran.

Bachelor of Science (B.Sc.):

Course Title: **Biology**
G.P.A (Grade-Point Average): **16.50 out of 20**
Year of Graduating: **1998**
University: **AZAD University, Tehran, Iran.**

Employment:

- 1) Department of Physiology, Mashhad University (2004 – 2005)
- 2) ROYAN Institute (2005 until now)
- 3) Collaboration with Department of Physiology, Tarbiat Modares University (2011 until now)
- 4) Collaboration with Tehran University (2014 – 2016)
- 5) Collaboration with AZAD university (2014-2015)

Interests:

- 1) Electrophysiology
- 2) Neuroscience
- 3) Spinal cord injury and cell therapy
- 4) Stem cell

Professional experiences:

- 1) Electrophysiological Instruments
 - a. Whole cell Patch clamp
 - b. Micro-electrode array
 - c. Power lab
 - d. Single unit recording
 - e. Motor evoked potential recording
 - f. EEG recording
 - g. Visual evoked potential recording
 - h. Somato-sensory evoked potential recording
- 2) Spinal cord injury animal models
- 3) Stem cell culture

Current research:

- 1) Electrophysiology
- 2) Spinal cord injury and cell therapy

Newest Publications:

اسامی همکاران بترتیب (شامل نام متقاضی)	نمایه علمی ^(۲) معتبر	تاریخ انتشار ^(۱) (ماه - سال)	مشخصات		کشور	نام نشریه یا ناشر	به زبان	عنوان مقاله	ردیف
			سال چندم	شماره					
<u>Sara Mirsadeghi , Ebrahim Shahbazi , Katayoun Hemmesi , Shiva Nemati , Hossein Baharvand , Seyed-Javad Mirnajafi-Zadeh , Sahar Kiani</u>	Pubmed IF = 2.466	2017 Jully				BBRC	انگلیسی	<u>Development of Membrane Ion Channels during Neural Differentiation from Human Embryonic Stem Cells</u>	۱
<u>Narges Pachenari, Sahar Kiani, Mohammad Javan</u>	Pubmed IF = 2.326	2017 Jully				Biomedicine & Pharmacotherapy	انگلیسی	<u>Inhibition of Glycogen Synthase Kinase 3 Increased Subventricular Zone Stem cells Proliferation</u>	۲
<u>Zahra Valizadeh- , Ebrahim Arshad Shahbazi, Shiva Hashemizadeh, Azadeh Moradmamand, Meysam Jangkhah, sahar kiani</u>	Pubmed IF = 1.6	Winter 2018	4			Iran Cell Journal	انگلیسی	<u>In Vitro Differentiation of Neural-like Cells from Human Embryonic Stem Cells by a Combination of Dorsomorphin, XAV939, and A8301</u>	۳
<u>Fonoudi Hananeh, Ansari Hassan, Abbasalizadeh Saeed, Larijani Mehran Rezaei, Kiani Sahar, Hashemizadeh Shiva, Zarchi Ali Sharifi, Bosman Alexis, Blue Gillian M., Pahlavan Sara, Perry Matthew, Orr Yishay, Mayorchak Yaroslav, Vandenberg Jamie, Talkhabi Mahmood, Winlaw David S., Harvey Richard P., Aghdami Nasser, Baharvand Hossein</u>	Pubmed IF = 5.709	2015 Dec	4 (12)		148 2-149 4	Stem Cells Translational Medicine	انگلیسی	<u>A Universal and Robust Integrated Platform for the Scalable Production of Human Cardiomyocytes from pluripotent Stem Cells</u>	۴
<u>Rostami AA, Mohseni Kouchesfahani H, Kiani S, Fakheri R</u>	Pubmed IF= 1.348	2015 Sep	18 (9)		586-590	Iran Archives of Irania n Medicine	انگلیسی	<u>Iron Oxide Nanoparticles Reduced Retinoic Acid Induced-neuronal differentiation of Mouse Embryonic Stem Cells by ROS Generation</u>	۵
<u>Mirakhori F, Zeynali B, Rassouli H, Shahbazi E, Hashemizadeh S, Kiani S, Salekdeh GH, Baharvand H</u>	Pubmed IF = 3.234	2015 Aug	10 (8)		1-17	PLoS One	انگلیسی	<u>Induction of Neural Progenitor-Like Cells from Human Fibroblasts via a Genetic Material-Free Approach</u>	۶

<u>Mirakhori F, Zeynali B, Kiani S, Baharvand H</u>	<u>Pubmed</u> IF = 1.6	2015 Spring	17 (1)		153-158	Iran	Cell Journal	اكتسي	<u>Brief azacytidine step allows the conversion of suspension human fibroblasts into neural progenitor-like cells</u>	۷
<u>Nemati SN, Jabbari R, Hajinasrollah M, Zare Mehrjerdi N, Azizi H, Hemmesi K, Moghimiran R, Azhdari Z, Talebi A, Mohitmafi S, Vosough Taqi Dizaj A, Sharifi G, Baharvand H, Rezaee O, Kiani S</u>	<u>Pubmed</u> IF = 1.6	2014 Summer	16 (2)		117-130		Cell Journal	اكتسي	<u>Transplantation of adult monkey neural stem cells into a contusion spinal cord injury model in rhesus macaque monkeys</u>	۸
<u>Khayyat F, Nemati S, Kiani S, Hojjati Emami S, Baharvand H</u>	<u>Pubmed</u> IF = 1.6	2014 Feb	16 (1)		53-62		Cell Journal	اكتسي	<u>Behaviour of human induced pluripotent stem cell-derived neural progenitors on collagen scaffolds varied in freezing temperature and laminin concentration.</u>	۹
<u>Satarian L, Javan M, Kiani S, Hajikaram M, Mirnajafi-Zadeh J, Baharvand H</u>	<u>Pubmed</u> IF = 3.234	2013 Aug	8 (8)		e71855 (1-14)		PLoS One	اكتسي	<u>Engrafted human induced pluripotent stem cell-derived anterior specified neural progenitors protect the rat crushed optic nerve</u>	۱۰
<u>Pazhooan S, Satarian L, Asghari AA, Salimi M, Kiani S, Mani AR, Javan M</u>	<u>Pubmed</u> IF = 2.937	2014	13 (1)		45-52		Neurodegenerative diseases	اكتسي	<u>Valproic Acid attenuates disease symptoms and increases endogenous myelin repair by recruiting neural stem cells and oligodendrocyte progenitors in experimental autoimmune encephalomyelitis</u>	۱۱
<u>Esfandiari F, Fathi A, Gourabi H, Kiani S, Nemati S, Baharvand H</u>	<u>Pubmed</u> IF = 3.562	2012 Nov	21 (17)		3233-43		Stem cell and development	اكتسي	<u>Glycogen synthase kinase-3 inhibition promotes proliferation and neuronal differentiation of human-induced pluripotent stem cell-derived neural progenitors.</u>	۱۲
<u>Pouya A, Satarian L, Kiani S, Javan M, Baharvand H</u>	<u>Pubmed</u> IF = 3.234	2011	6 (11)		e27925		PLoS One	اكتسي	<u>Human induced pluripotent stem cells differentiation into oligodendrocyte progenitors and transplantation in a rat model of optic chiasm demyelination.</u>	۱۳

<u>Zare-Mehrjardi N, Khorasani MT, Hemmesi K, Mirzadeh H, Azizi H, Sadatnia B, Hatami M, Kiani S, Barzin J, Baharvand H</u>	Pubmed IF = 1.005	2011 May	34 (10)		101 2-102 3	The International Journal of Artificial organs	انگلیسی	<u>Differentiation of embryonic stem cells into neural cells on 3D poly (D, L-lactic acid) scaffolds versus 2D cultures.</u>	۱ ۴
<u>Fathi A, Hatami M, Hajihosseini V, Fattahi F, Kiani S, Baharvand H, Salekdeh GH</u>	Pubmed IF = 3.234	2011	6 (7)		e228 56	PLoS One	انگلیسی	<u>Comprehensive gene expression analysis of human embryonic stem cells during differentiation into neural cells.</u>	۱ ۵
<u>Rahjouei A, Kiani S, Zahabi A, Mehrjardi NZ, Hashemi M, Baharvand H.</u>	Pubmed IF = 1.005	2011 Jul	34 (7)		559-70	The International Journal of Artificial organs	انگلیسی	<u>Interactions of human embryonic stem cell-derived neural progenitors with an electrospun nanofibrillar surface in vitro.</u>	۱ ۶
<u>Shahbazi E, Kiani S, Gourabi H, Baharvand H</u>	Pubmed IF = 3.485	2011 Dec	17 (23-24)		3021-31	Tissue engineering: Part A	انگلیسی	<u>Electrospun nanofibrillar surfaces promote neuronal differentiation and function from human embryonic stem cells.</u>	۱ ۷
<u>Ranjbarvaziri S, Kiani S, Akhlaghi A, Vosough A, Baharvand H, Aghdami N</u>	Pubmed IF = 8.387	2011 Aug	32 (22)		5195-205	Biomaterials	انگلیسی	<u>Quantum dot labeling using positive charged peptides in human hematopoietic and mesenchymal stem cells.</u>	۱ ۸
<u>Ghasemi-Mobarakeh L, Prabhakaran MP, Morshed M, Nasr-Esfahani MH, Baharvand H, Kiani S, Al-Deyab SS, Ramakrishna S</u>	Pubmed IF = 4.71	2011 Apr	5 (4)		e17-35	Journal of tissue engineering and regenerative medicine	انگلیسی	<u>Application of conductive polymers, scaffolds and electrical stimulation for nerve tissue engineering.</u>	۱ ۹
<u>Nemati S, Hatami M, Kiani S, Hemmesi K, Gourabi H, Masoudi N, Alaei S, Baharvand H</u>	Pubmed IF = 3.77	2011 Mar	20(3)		503-14	Stem cell and Development	انگلیسی	<u>Long-term self-renewable feeder-free human induced pluripotent stem cell-derived neural progenitors</u>	۲ ۰
<u>Shiva Nemati, Ebrahim Shahbazi, Mehdi Hesaraki, Sahar Kiani, Reza Haji Hosseini</u>	-	2016 Nov	18(2)		35-51	مجله زیست شناسی جانوری تجربی	فارسی	<u>پیشرفت های اخیر در سلول درمانی ضایعات نخاعی</u>	۲ ۱

شیوا نعمتی، سحر کیانی، کتابون حمصی، حسین عزیزی، نرگس زارع مهرجردی، زهرا اژدری، حسین بهاروند	=	2011	34	47-55		مجله علوم تشریح	فارسی	مقایسه پیوند سلول های بنیادی مزانشیمی و سلول های پیش ساز عصبی مشتق از آنها به موش های صحرایی مبتلا به ضایعه نخاعی از طریق ورید دمی	۲ ۲
<u>Mahboobeh Malakoutikhah,</u> <u>Leila Satarian, Sahar Kiani,</u> <u>Mohammad Javan</u>	<u>IF =</u> <u>1.77</u>	2015	19	90-98		Physiology and Pharmacology	انگلیسی	Alpha-Tocopherol increases the proliferation of induced pluripotent stem cell derived neural progenitor cells	۲ ۳
<u>Sahar Kiani, Javad</u> <u>Mirnajafi-Zadeh, Ebrahim</u> <u>Shahbazi, Hossein Baharvand</u>	<u>IF =</u> <u>1.77</u>	2010 July	14 (4)	1-8	Iran	Physiology and Pharmacology	فارسی	<u>Existence of a delayed rectifier K current in the membrane of human embryonic stem cell</u>	۲ ۴

Recommandations:

Hamid Gourabi, Ph.D

Associate Professor of Cytogenetics & Radiobiology
Head and Director of Royan Institute
Head and Director of Department of Reproductive Genetic
Reproductive Biomedicine Research Center of Royan Institute.
P.O. Box: 19395-4644, Tehran – Iran
Tel: (+9821) 2413790
Fax: (+9821) 2409314
Email: gourabi@royaninstitute.org
Web site: www.RoyanInstitute.org

H.Baharvand , Ph.D

Assistant Professor and Academic member of Royan Institute
Head and Director of Department of stem cells
P.O. Box: 19395-4644, Tehran – Iran
Tel: (+9821) 22402486
Fax: (+9821) 2409314
E-mail: [Baharvand_50@yahoo.com](mailto:Beharvand_50@yahoo.com)
Web site : www.RoyanInstitute.org

MH Boskabady MD, Ph.D

Director of Physiological department in mashhad university of medical science. Department of Physiology, Ghaem Medical Centre, Mashhad University of Medical Sciences, Mashhad 91735, Iran.
E-Mail: M_Boskabady@mums.ac.ir

